

# THE TECH

VOL. XXXIII. NO. 145

BOSTON, MASS., FRIDAY, MARCH 6, 1914.

PRICE ONE CENT

## BUY-A-TICKET.

It only remains now to see exactly just how much money "Yish-ka-bibble" will clear for the Athletic Association. All the arrangements are complete and this most sensational performance will begin promptly at eight o'clock this Saturday evening in Huntington Hall. The dance that is to follow will commence at ten o'clock and will run until twelve.

Everybody in the Institute is in a state of nervous expectation wondering just who are the performers that are so excellent as to have been given a place on the program. There has been a low undercurrent of excitement noticeable in all of the class rooms and labs for the past three or four days and yesterday this was particularly apparent. It was difficult for the professors to hold the attention of the students so great was the curiosity and so poorly were most of the men able to conceal it.

Especially interest is being manifested in the dance. This year, as everyone knows, there has been more interest in dancing in general than has been the case for a good many years back. Everyone has been literally dance crazy. There have been dancing teas, dancing dinners, regular dances and late dancing suppers. All of the leading restaurants and cafes in the big cities have found it advisable, nay, even necessary to have dancing as well as music with their meals. It has almost come to the point that for the proper digestion of food dancing is an essential. Therefore what more natural than that a dance should be given with "Yish-ka-bibble"? And the idea has made a big hit as the extensive sale of blue tickets testifies.

This is the time when the whole Institute is going to take an evening off and pitch in and have a thoroughly enjoyable time. Even more than this. Many are looking forward to the evening expecting that they will have the best time they've had in weeks. And it is certain that all of you who come will find this to be the case.

Have you bought your ticket yet? If not, remember that there are fewer available tickets left each day and that if you are to partake of this happy party you had better get busy and buy one or two of the little pasteboards.

## SETTING-UP DRILL

Many of the Freshmen in drill the first of the week were subjected to a new experience. Coats were unbuttoned and four of the companies were set through Butt's manual of arms to the tune of a graphophone under the leadership of Frank Kanaly.

## BEAVER NEW MASCOT FOR TECHNOLOGY

Mr. L. D. Gardner Gives Prize for Eulogy—Mascot Accepted by Alumni.

Tech is to have a mascot. That was definitely decided at the meeting of the New York alumni held at the Plaza in January when the Tech Club of New York, through Mr. Lester D. Gardner, '98, presented to the Institute a pair of beavers on a small tree trunk, with the suggestion that the beaver be adopted as the official mascot of the Institute. President MacLaurin accepted the gift and asked that the suggestion be adopted. Now Mr. Gardner boosts the idea by offering a ten dollar prize to the Institute man who writes the best eulogy of the beaver, either serious or humorous.

The story can be sent to THE TECH any time before the first of November in the next term. The editor-in-chief of THE TECH and I.

## COMPETITION OPEN TO SENIOR CLASS

Prize Offered for Best Paper on "Asphalt Materials for Road Construction."

With a view to interesting engineering students in road problems, The Barber Asphalt Paving Company of Philadelphia wishes to offer a prize of one hundred dollars for the best original paper written by a member of the Senior Class on the subject of:

"Asphalt Materials for Road Construction."

The paper and its conclusions may be based upon service tests and the lessons of experience; the physical qualities of asphalt; the chemistry of asphalt; or it might combine all or any two of these lines of investigation and presentation. The length of the paper will be limited to 3000 words and all manuscripts must be in our

(Continued on Page 3.)

## ELECTRICALS VISIT FORT HILL EXCHANGE

Inspection Made of Important Local Branch—Probably No Trip Today.

Yesterday afternoon the members of the E. E. Society who signed up for the trip visited the Fort Hill Telephone Exchange in place of the trip through the General Electric Lamp Works that had been planned.

The trip included an examination of both the Exchange and Toll Departments, together with the hidden machinery by means of which they are operated.

Of especial interest was the Automatic Ringing Apparatus and the Distributing room where all telephone alarms are received and transmitted to the nearest station. Of greater interest from the professional point of view was the storage battery department which supplies the necessary current and which consisted of a large number of standard accumulators sufficient to supply the entire system; after these came the generator room whose function is to maintain the required potential in the accumulators. From here the party went to the testing or "trouble" department, which is kept busy in locating and repairing all breakages along the entire line, and seeing that no untoward cause shall cause a suspension of service.

Upon leaving the Exchange the members of the party expressed the opinion that the time had been well spent and that it would be of advantage for those members of the society who had not yet signed to do so for today's trip. This is of especial importance as, unless more men signify their intention of going before ten o'clock this morning, this afternoon's visit will be called off. Should it be found necessary to do this, those who have already signed up will be notified by a poster on the E. E. Library Bulletin Board.

## CALENDAR

Friday, March 6.

2.00—E. E. Society Trip. Meet at Lowell Building.

4.15—Show Cast Rehearsal, Second Act, at Union.

4.15—Dancing Trials. Union Dining Room.

5.00—Banjo Club Rehearsal.

5.00—Technique Electoral Committee. 27 Rogers.

Saturday, March 7.

Afternoon—Freshmen vs. Andover. Track Meet. Andover.

2.05—Hare and Hounds. Leave Trinity Place Station for Newton.

8.00—Yish-Ka-Bibble. Huntington Hall.

8.00—Wrestling Meet. Tech vs. B. Y. M. C. U. at B. Y. M. C. U.



NEW MASCOT FOR TECH

W. Litchfield, '85, will be the judges. The Alumni Council have unanimously voted to accept the beaver as the official mascot and now all that is needed is a first-class explanation of why the beaver should be the particular animal chosen for this great honor.

Mr. Gardner is a booster for Technology and he is one of the men through whose efforts the membership in the New York club was doubled last year. The Tech mascot is only one of the many ideas that he has brought out to foster Institute spirit. He suggests that some of the artists in the Institute make sketches of a Tech symbol using the beaver.

## TECHNIQUE PICTURES

The majority of the team and other group pictures taken so far for Technique are at that office. If any of the men wish to look at them and desire to order one they can do so at the Technique office.

## TECHNOLOGY CALENDARS

A number of Technology Calendars may be purchased at the Cage at a reduced price, 25 cents. The calendar consists of seven sheets and includes a dozen photographs of Institute interest. The first is an elevation of the New Institute on the Charles, as it is to appear from the river. Next is a picture of President Richard C. MacLaurin. Following this come pictures of Coach Kanaly, the Cross-Country Team, the 1915 Football Team, the Relay Team, and the finish of the 100-yards N. E. I. A. A. Meet. The Tech Show is represented by the cast of last year's Show, "Money in Sight," and a group picture of the combined Musical Clubs is shown on the same page. On the last page appear the Wrestling Team, the Cadet Corps, and two snap-shots of the last year's Technique Rush. The whole thing is carried out in the Institute colors, the printing being red on a grey paper.

# THE TECH

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FRIDAY, MARCH 6, 1914.

## IN CHARGE OF THIS ISSUE.

Editors: E. F. Hewins, H. P. Gray.  
Assistants: J. G. Fairfield, A. D. Nute.

The beaver is a most fitting prototype of Technology; probably no more appropriate emblem could have been adopted. Its perseverance, efficient organization and untiring industry make it the embodiment of the Institute's ideals. It is to be hoped that Mr. Gardner's competition for the best eulogy of this animal will receive the support of all interested in the subject.

The request comes from the Cage that students remove checked articles before the rush of Yish-Ka-Bibble. This should receive the attention of all concerned, for the check-room will have need of its full capacity on that night, and certainly ought not to be half choked with articles casually left there. A little consideration and care at this time will help greatly toward efficiency and expedition Saturday evening.

The "important proof of Christianity" discussed yesterday noon in the Union, is, like most of the T. C. A. subjects, worth serious consideration. Tech men should not accept any religion merely because their predecessors did, nor reject it on hasty decision as unworthy the consideration of practical men. They should distinguish carefully the valid and logical reasons pro and con; that is, use the same scientific method here as they do in their professional work.

## REV. A. W. VERNON SPEAKS IN UNION

Gladstone and Martin Luther Illustrative of Christian Leaders.

Yesterday noon the Rev. A. W. Vernon, pastor of the Harvard Congregational Church of Brookline, spoke in the Union on the subject, "One Important Proof of Christianity." He said in introducing his subject that Christianity did not need proof, because it helps each individual as well as the world in general; but it is well to consider what influenced the writer to the Hebrews when he told them to "Remember them who lived before you . . . and imitate their faith."

A proof is suggested in the lives and careers of three great Christians who worked in widely different times—Gladstone, Martin Luther, and Jesus of Nazareth. By considering the issues of their lives it may be possible to find some tangible element which is essential to Christianity.

Gladstone entered Parliament to help the Church. For ten years he remained there, practically unnoticed; but when he ultimately gained the position of Prime Minister, he dominated politics for twenty-five years. He was not a register of public feeling, but a moulder and leader of it; he continued unswervingly in what he thought to be right, and, when he died, was mourned by all nations. It would seemingly be a good thing to "imitate his faith."

Take the case of Luther. Here was a man who had more to do with the upbuilding of the masses than any one in modern times. At twenty he began to study the Bible, and, after completing his course at a convent, he came to the conclusion that there is no peace of mind because of goodness. He proceeded to proclaim his doctrines and defy the Pope. Before he died, his faith had touched the world.

From these two instances it might seem that Christianity leads to reward for those professing it; but when we take up the life of the Master, we see that this no longer holds. Christ had no reward on earth; he died in suffering, without eulogy, and even those He loved feared him. Men might say his faith should not be imitated; but here they err.

The true value of men is not measured by the material success they have in the world. Great political or financial ability do not endear any man in the hearts of the people. Great faith does not mean this kind of success; Disraeli was as colossal politically as Gladstone; but it was the latter's character which attracts attention. No man should take up Christianity because it ensures success—it does not—but if a man wishes to live in the hearts of the people, to have his faith imitated, let him embrace Christianity. It is the "peace that passeth understanding, the faith that looks through death, and a changeless love for one's fellow men" which prove the true Christian.

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## SOPHOMORE MEETING

The class of 1916 will hold a meeting on Wednesday, March 11, in Huntington Hall. The first important matter of business to come up is the question of amending the class constitution. On this account it will be necessary to have a larger number present than usual, in order to insure a proper action on the amendment. The second matter is to take action on Harvey Dewson's father's request to be elected a member of the class.

## WEATHER

For Boston and Vicinity: Snow or rain; increasing north to east winds.

## TECH SHOW REHEARSALS

The Tech Show cast will rehearse the second act only this afternoon. Dancing trials for the ballet will start at 4.15, in the Union Dining Room. Those whose names were included in the list published in THE TECH yesterday are requested to be present.

## CHECKING AT CAGE

Attention is called to the fact that all material in boxes at the Cage, should, if possible, be removed from the Union so that there may be plenty of room for the crowd that comes to see Yish-Ka-Bibble on Saturday night.

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**BASKETBALL PICTURE**

The Freshman Basketball picture will be taken today at Notman's at 1.15. The men whose names appeared in Wednesday's copy of THE TECH are expected to report for it.

**JUNIOR CLASS PICTURE**

Can Be Seen at Cage—Orders To Be Left There.

The Junior Class picture is now at the Cage in the Union where it can be seen. The picture turned out well and was very clear and distinct. Orders for the same can be left at the Cage. The price is \$1.25.

**ELECTORAL MEETING**

There will be a meeting of the 1916 Technique Electoral Committee every Tuesday and every Friday in 27 Rogers. The Tuesday meetings are at 4.30 p. m., while the meetings on Fridays are held at 5.00 p. m. It was decided that the members of the Committee must make a deposit of \$2 before they can be eligible for election. A fine will be imposed upon anybody who is either late or absent.

**ANDOVER MEET**

The Freshmen who are going to participate in the Andover meet Saturday will leave the North Station on the 12.25 train. It will be necessary for the men to get their lunch before going. Coach Kanaly and the following men are to take the trip: Capt. Sullivan, F. P. O'Hara, R. C. Erb, K. H. Day, D. C. Thompson, L. Williams, J. J. Donnelly, M. C. Brock, H. Allen, E. D. Sewall, D. Bell, J. W. Doon, N. W. Gokey, E. W. Curtin, A. H. Knapp, W. A. Seymore, L. Stevens, L. Kady.

**PRIZE FOR ESSAY**

(Continued from Page 1.)

office not later than June 1, 1914.

This proposal will be made to other leading engineering schools, carrying with it a prize of the amount stated for the best essay from each school.

There are a number of bituminous materials for street and road building, namely: the lake or natural asphalt, Trinidad and Bermudez, which are marketed by this company, and residual asphalts manufactured from petroleum. The idea of the competition is to secure investigation of the relative merits of these materials by students, some of whom will be engaged later in highway construction. Another object in view is to turn the minds of students toward road engineering, a field of work in which there is a great need for trained men.

The paper will be judged and the prizes awarded by independent authorities: such men, for example, as Professor Charles J. Tilden, Johns Hopkins University; Charles Whiting Baker and E. J. Mehren, editors, respectively of Engineering News and Engineering Record.

The company hope that their plan will have good results in interesting the students in a useful study and one that will impose no great demand upon their time. They also call attention to the fact that the successful contestants would naturally come to the notice of concerns interested in road materials who employ large numbers of men.

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**ENGINEERING AND SCIENTIFIC NOTES**

If you have ever visited museums where ancient relics dug up after centuries of burial are displayed, you have doubtless noticed that while some specimens are in a fine condition, others are badly deteriorated and appear ready to "fall to pieces." We think the following account of the various causes of deterioration and their prevention which has been condensed from an article in the Scientific American Supplement for Feb. 28th might prove interesting:

The great difficulty with tablets, statues, friezes, etc., of earthen and stone ware is a physical deterioration encountered as soon as the article is exposed to the air which is evidenced in a crumbling, a formation of cracks, and a falling off of fine dust from the surface of the specimen. Often valuable tablets of cuneiform inscriptions have been destroyed from an archeological point of view by this action. During burial many of the specimens become impregnated with such salts as sodium chloride and sulphate, gypsum and the like, and on exposure to the varying humidity of the atmosphere an alternate solution and crystallization of these salts occur giving rise to destructive strains within the material.

The remedy consists merely of removing the troublesome salts by a long-protracted leaching with pure water until the analysis of the solution shows the remaining salts to be negligible. Some limestone blocks from an Egyptian tomb were leached for three years by this process. The water was renewed frequently at first but later once per week. This leaching process is by no means an easy one and many precautions must be taken if a good specimen, free from future deterioration, is to be obtained.

On the other hand, the deterioration of metal objects is of a chemical nature, usually a form of rusting. In the case of iron, while the nature of ordinary rusting and the proper remedies have been known for some time, it has been found only recently that sand, clay and small pebbles often become firmly united with the iron oxides and chlorides of a "rust," forming hard blisters which do not yield to the ordinary protective treatment of long baths in hot petroleum varnish, and which keep the corroding chlorides in a still active condition. The grosser part of the rust may be removed by mechanical means and by solution in weak acids and the thin films are removed in an electrolytic cell. The surface is then

**FRESHMEN FIRST TEAM OUTPLAYS REVERE HIGH**

All "Subs" Have a Chance To Play—Revere Defeated by Large Score.

Wednesday night the 1917 first team defeated Revere H. S. to the tune of 53-15. The game was a walk-away for the Freshmen from the beginning, baskets being scored almost at will. In the second half O'Brien played center, Getchell took O'Brien's place at right guard, and toward the end of the game Gargon replaced Kendall at left guard. Captain Rausch was again in his old form, scoring eight baskets.

Lineup:  
TECH 1917. REVERE.  
Richardson, rf ..... lf, Jones  
Rausch, lf ..... rf, Nash  
Gokey, O'Brien, c ..... c, Webb  
O'Brien, rg ..... lg, Greenbaum  
Getchell, rg  
Kendall, Gargon, lg ..... rg, Pryor  
Baskets from floor—Rausch 8, Kendall 5, Richardson 4, Gokey 2, Gargon 2, Getchell 2, O'Brien 1, Webb 2, Nash 4. Fouls—Kendall 5, Nash 3. Time—20-minute halves.

The second team was defeated by the Calumet five 34-32. Both teams showed excellent form, Schoonmaker of the 1917 team being the individual star by scoring nine baskets.

caustic soda to absorb both water and treated with varnishes or paraffine.

Bronze and copper objects undergo an interesting deterioration. The ordinary thin bluish-green coating is valuable and is known as "noble" patina. Another form of this metal disease is called "wild" patina and it exhibits its symptoms in a rapid and destructive corrosion which rapidly eats the metal away. It is caused by the combined action of the chlorides impregnated from the soil and the air. A remedy is to be found in an ordinary or electrolytic leaching and a subsequent coating of the surface with a special finish.

Gold shows no deterioration but silver often becomes coated with silver chloride, and lead frequently has a crust of white lead form upon it. Electrolytic treatment is used for both.

Tin is affected with a peculiar disease which is really a conversion from the metallic to the non-metallic state. It is a curious fact that this action cannot take place at temperatures less than 18 degrees Centigrade.

Of course the cabinet containing specimens should be kept dust tight and it should also contain sticks of

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carbon dioxide. Some authorities even recommend that the cabinets be kept filled with inert nitrogen. From these facts it is evident that science is doing considerable to preserve the unrestorable relics which archaeologists are continually unearthing to enrich our knowledge of ancient peoples.

# THE TECH

VOL. XXXIII. NO. 145

BOSTON, MASS., SATURDAY, MARCH 7, 1914.

PRICE ONE CENT

## TECHNOLOGY MONTHLY ADVERTISING MANAGER

Competition for Permanent Position Will Open This Noon  
—Announcements.

At one o'clock today in the lower office of THE TECH candidates for the position of Advertising Manager of the New Monthly will meet to receive first instructions and assignments. This is the first announcement that has been made to date and the Managing Editor, K. D. Kahn, states men reporting at this time will have a marked advantage on those who come out later. The results of the competition will depend on the amount of advertisements obtained and the spirit with which the candidates enter into the contest.

The first issue of the Monthly will appear Wednesday, March 11th. It was intended to place this issue on sale at the performance of Yish-ka-Bibble in Huntington Hall tonight, but unavoidable delay was caused by the break-down of the large type setting monotype machines at the compositor's.

It was found that the capacities of

(Continued on Page 2)

## REPORT OF THE UNIFORM CLASS CONSTITUTION COMMITTEE

The committee on a uniform class constitution for the four classes submits the following constitution.

The changes, with perhaps the exception of the parts dealing with the Freshman organization and the manner of election of officers, have been of minor importance. The committee advances the following reasons for their departures from the old constitutions.

### ARTICLE II.

Sect. 2.—In the class constitutions of 1915 and 1917 it was necessary to sign the constitution in order to become a member of the class. This has never been done, and it was deemed unnecessary by the committee.

### ARTICLE III.

As far as the committee was able to find out the temporary chairman of the Freshman class has always been elected to the presidency. It is a well known fact that the election of the temporary chairman is more or less of a farce, as regards the real merits of the men nominated. To do away with this abuse a temporary organization composed of Juniors has been decided upon. The officers of this organization are a temporary chairman, temporary treasurer, and temporary managers for the various teams competing on Field Day, these temporary officers to be elected by the Institute Committee at the last meeting in May. It shall be the duty

## GOING TO YISH-KA-BIBBLE? EVERYBODY WILL BE THERE

Entertainment at Huntington Hall Tonight Will Be a  
Memorable Event in Tech's History—First  
Act At Eight Sharp

Are we all aboard? Tonight's the big night in the collegiate year. The whole Institute is going to turn out in a body to see students, ordinarily serious, hard-working men, cavort in glee across the boards in Huntington Hall. "Yish-Ka-Bibble" is going to be the best undergraduate affair that has ever been pulled off. Are you on the band-wagon? Are you going to allow yourself to miss the best thing of the year?

If your mind absolutely made up to make an effort to stay away, there is little hope for you. The undergraduate that is absent when the first curtain goes up will be a marked man the rest of his career in the Institute. If you are doubtful, once again read this list of the attractions that are to be offered:

First: The music number with the very novel opening and the excellent

singing that only artists such as are to present the skit could render. This is without doubt the best singing and instrumental act in college circles.

Second: The dancing number, in which there is the grandest little exposition of the latest dances that has been seen in this city since the dancing craze struck town. The men that are to dance are two that are well-known to the student body for their ability along this line.

Third: A black face act that will make Bert Williams green with envy. The actors in this number have once before appeared before the student body in a different act. Now they have something brand new which is certain to cause wreaths to be hung around their busts when they are put in the Hall of Fame.

Fourth: A little skit written for the occasion and dealing with a problem of the Institute which is at present with us. The recent alliance with Harvard is meant, of course. Come and see how the excellent cast portrays the troubles of the Tech man who is a suitor for the hand of the daughter of a haughty Back Bay matron. See how he solves his problem by becoming a Harvard man through the alliance and so acceptable to the matron.

(Continued on Page 3)

## FRESHMAN BASEBALL

Candidates To Meet Tuesday in  
Room B of Union.

All candidates for the Freshman Baseball team are requested to meet in Room B of the Union next Tuesday where plans for the coming season will be discussed. It is absolutely necessary that all men who are to try for the team be present; and let it be a large number, too, as the manager wishes to know the grade of team he will have so that a corresponding schedule may be arranged. Practice will be commenced immediately as will be announced at the meeting.

## NOTICE.

The majority of the pictures, team and group, so far taken for Technique are at the Technique office. If any of the men wish to look at them and desire to order one they can do so at the Technique office.

## WHITWELL CHOSEN ASSISTANT GENERAL MANAGER OF SHOW

R. A. Fletcher and C. Carpenter  
Chosen Assistant Business  
Managers.

George E. Whitwell, '14, has been chosen Assistant General Manager of the Tech Show. He has been connected with the management of the Show since his Freshman year, when he was Second Assistant Publicity Manager.

In his Sophomore year, Whitwell was in line for the position of First Assistant, but Kingsley Day, who was expected to become Manager of the department, did not return to school. Although the position had previously been filled by Juniors, Whitwell was



GEORGE E. WHITWELL, '14, chosen for it because of the excellent work he had done as second assistant. He remained at the head of the Publicity department during both his Sophomore and Junior years. Besides his work for the Tech Show, he has taken an active interest in other Institute activities.

R. A. Fletcher and C. Carpenter have been chosen sophomore assistant business managers of the Tech

(Continued on Page 4)

## WEATHER

For Boston and Vicinity: Saturday probably snow or rain, followed by clearing; high easterly winds.

## CALENDAR

Saturday, March 7, 1914.

1.00—Candidates for Advertising Manager Technology Monthly in lower office of THE TECH.

2.30—Freshman-Andover Meet at Andover.

8.00—YISH-KA-BIBBLE. Huntington Hall.

**YISH-KA-BIBBLE--8 TONIGHT--HUNTINGTON HALL**



# THE TECH

Entered as second-class matter, Sept. 15, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

Published daily, except Sunday, during the college year by students of the Massachusetts Institute of Technology.

## MANAGING BOARD

S. H. Taylor, '14.....General Manager  
E. A. Weaver, '15.....Editor-in-Chief  
L. E. Armstrong, '16.....Managing Editor  
C. W. Lacy, '15.....Advertising Manager  
H. Rogers, '15.....Circulation Manager  
A. E. B. Hall, '15.....Treasurer

## NEWS BOARD

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R. Mills, '16.....Assistant  
G. W. Wyman, '16.....Societies Editor  
E. F. Hewins, '16.....Assistant  
L. E. Best, '16.....Athletic Editor  
H. P. Gray, '16.....Assistant  
H. W. Lamson, '15.....Science Notes

## NEWS STAFF

B. N. Stimets, '16.....H. E. Lobdell, '17  
J. M. DeBell, '17

## BUSINESS STAFF

R. Alfaro, '16.....S. Keith, '16  
F. S. Conaty, '17.....H. P. Claussen, '16

## OFFICE HOURS

(Daily except Saturday)

General Manager.....5.30 to 6.00 P. M.  
Managing Editor.....5.00 to 6.00 P. M.  
Advertising Manager.....1.30 to 2.00 P. M.  
Treasurer.....1.30 to 2.00 P. M.

Office, 42 Trinity Place.

Phone—Back Bay 5527 or 2130.  
Night Phone—Back Bay 5527.

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SATURDAY, MARCH 7, 1914

IN CHARGE OF THIS ISSUE

B. N. Stimets, '16, and W. F. Johnson, '17.

This evening marks the climax of the campaign waged so powerfully and consistently for a means of obtaining money to maintain athletics at the Institute. Every undergraduate should support the affair if for no other reason than that his money is needed in upholding Tech's prestige among the colleges. Every truly loyal student would come forward if this were the only inducement.

**BUT IT IS NOT!** The managers invite your attendance solely on the merit of the entertainment; on the basis of value given more than equal to money received. This is not a charity bazaar which you are urged to attend; it is the best and most up-to-date vaudeville, with comedy, music, burlesque and all the other essentials, increased by appropriate local hits and quips on matters peculiar to Technology.

In addition, for a nominal extra charge, is offered a first-class dance. Its extraordinary cheapness is made possible only by the free use of the hall; it will be in all respects equal to other dances costing many times as much.

Certainly no one who attends can possibly regret it, which those who miss it must do. This is surely a case where the virtue of supporting Technology athletics brings its own reward in genuine and hilarious amusement.

This is the last day in which to make appointments for Senior Portfolio photographs. Remember how

much this book, with your picture in it, will mean to you and your classmates in after life.

## COLLEGE NEWS

After a recent storm the municipal authorities of Champaign-Urbana were unable to cope with the heavy snow and called upon the University of Illinois for help. Over seven hundred students volunteered to aid. This is especially remarkable since the University is at present struggling through an epidemic of scarlet fever.

At the annual Oxford track games last Monday, Taber, a Rhodes scholar from Brown, won the half mile run. His time was slower than in the New Englands of last year.

Question has been raised as to whether college fraternities are subject to the provisions of the new income tax. The lawyers at Cornell claim that they are not.

The weekly at Worcester Polytechnic promises a story by Elbert Hubbard in its next issue.

"Deferred fraternity rushing" is being talked about at Wesleyan.

The women students at Michigan are nearing the completion of a hard campaign to force the Athletic Directors of the Ann Arbor institution to award a modified form of "M" to the members of the women's teams. Much unexpected opposition arose among the general student body.

Many changes, which will allow a broader and more comprehensive treatment of professional subjects, have been made in the engineering courses at Brown. Among these changes that of making the graduation thesis optional was included.

A week from today the relay teams of Penn and Illinois will meet at St. Louis to settle the one mile indoor relay championship of America. The meet will be under the auspices of the Missouri Athletic Club.

The Minnesota Glee Club is making preparations for a concert tour of several cities of the middle west during the Easter vacation.

## E. E. NOTICE

Because of the fact that classes prevented the men from signing up to go on the trip which the Electrical Engineering Society was to make to one of the Boston Telephone Exchanges yesterday afternoon, the trip was called off. President Richmond assures the men, however, that there will be a trip to this Exchange at some future time.

## TECHNOLOGY MONTHLY

(Continued from Page 1)

the type-setting machines had been exceeded and although repairs were made at once by an expert sent from the factory, it was found that the entire outlay of the plant had to be changed. This delay made it impossible for the printer to get the Monthly out on time.

# AT THE THEATRES

## TREMONT THEATRE

Evgs. 8. Mat. Wed. & Sat. at 2

## THE BEAUTY SHOP

## HOLLIS ST. THEATRE

Evgs. 8. Mat. Wed. & Sat. at 2

## THE LAND OF PROMISE

## PARK THEATRE

Evgs. 8.10. Mats. Wed. & Sat. at 2

## FANNY'S FIRST PLAY

## BOSTON THEATRE

Evgs. 8. Mat. Wed. & Sat. at 2

## WAY DOWN EAST

Prices 25c to \$1.50.

## Boston Opera House

SAT., 2 to 4.30. LA BOHEME. Melba, Beriza, Lafitte, Danges, Pulcini, Mar-dones, Tavecchia. Cond., Moranzoni.

SAT., 8 to 11.15. Pop. Prices, 50c to \$2.50. Box Seats \$5. JEWELS OF THE MADONNA. Amsden, Gay, Zenatello, Blanchart. Cond., Moranzoni.

Box Office, Weekdays 9 to 6; Sundays 2 to 9. Reg. Prices \$1.50 to \$5. Downtown Office, Steinert's, 152 Boylston. Mason and Hamlin Pianos Used.

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DINNER 5 to 8.30

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Tango Dances every Thursday

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ing to vote. The results of these elections are not to be announced until the next evening (always a Saturday night) at a mass meeting of all the students. This will give a much needed excuse for bringing the men together and working up some school spirit. The possibilities of this scheme are unlimited.

Five days are left between the closing of the nomination lists and election day in order that plenty of time to look up the candidates be available.

## ARTICLE XI.

Having in mind the difficulty which arose in the Sophomore class this year, the committee has inserted an article which makes the Institute committee the judge should any question as to the interpretation of the constitution arise.

## CONSTITUTION OF THE CLASS OF — of the MASSACHUSETTS INSTITUTE OF TECHNOLOGY

### Article I.—Name.

Sect. 1.—This organization shall be known as the "Class of — of the Massachusetts Institute of Technology."

### Article II.—Membership.

Sect. 1.—All persons taking a majority of hours with this class shall be eligible for membership.

Sect. 2.—Any member of this class failing to pay his dues before the

general election of officers shall forfeit his membership and his right to vote; and he shall be reinstated only on payment of the same.

Sect. 3.—Any member who shall after becoming a member of this class, take for any reason a majority of his hours in another class, shall thereby forfeit his membership in this class.

Article III.—Temporary Organization.  
Sect. 1.—Previous to the election of the officers in the Freshman year, the class shall be under the supervision of a Junior, who shall be termed the Temporary Chairman.

Sect. 2.—He shall be assisted by four other juniors, three to act as temporary managers of three Field Day teams, and one as temporary treasurer.

Sect. 3.—The temporary chairman, temporary treasurer, and the three temporary managers for the succeeding years shall be elected, from the sophomore class, by the Institute Committee at the first meeting in May.

Sect. 4.—The temporary chairman, temporary treasurer and the three temporary managers shall be a sub-committee of the Institute Committee, and shall be responsible to that committee for the affairs of the Freshman class.

Sect. 5.—The temporary chairman shall assume the duties of the president of the class during his tenure of office.

Sect. 6.—The temporary managers shall, during the first two weeks of

## FRESHMAN-SOPHOMORE WRESTLING MEET IS COMING

Will Be Held in the Gymnasium  
at End of March—Numerals  
Given to Winners.

The Freshman and Sophomore classes will hold a wrestling meet in the gym on Saturday evening, March 28. The meet will be open to all Freshmen and Sophomores, regardless of experience in wrestling. It is understood, however, that no member of the 'varsity team is to submit an entry. There will be preliminaries, semi-finals and finals, each bout being six minutes long. The winners of the finals will receive their numerals.

The men will be divided into six classes, according to weight: 115-pound class, 125-pound class, 135-pound class, 145-pound class, 158-pound class and the heavyweight class. In scoring for class points, a fall will count two points and a decision one, in the finals.

Captain Kelly of the 'varsity team will coach the Sophomores and H. W. Treat will coach the Freshmen. Kelly and Treat will be in the gym to teach men every day, except Wednesday, from four to six. There will be no wrestling in the gym after 5.15 on Mondays and Thursdays.

A. P. Farnsworth, '17, will manage the Freshman team and H. G. Morse, '16, will manage the Sophomores. Entries may be left with the managers or addressed to them at the Cage.

It is expected that all Sophomores,

who substituted wrestling for gym last year, will compete against the Freshmen.

## YISH-KA-BIBBLE

(Continued from Page 1)

Then remember the features of the entertainment. The whole affair is to be with informal dress. No choking collar—but solid comfort.

Then the feature of dancing with both the upstairs and downstairs rooms of the Union open for dancing so that there will not be an undue crowd.

All this you can get for 75 cents and the vaudeville alone for 50 cents. Is not this a great big bargain?

Well, then, turn out and help push. We are boosting the funds of the Athletic Association and each additional ticket sold just swells the profits. If you have not bought a ticket, do so at once. If by this evening you have not gotten a ticket come anyway and buy one at the door.

The doors open at seven-thirty and the performance starts promptly at eight. The doors will be closed while vaudeville is going on. There are no reserved seats, only reserved sections. To get an advantageous seat means that you must be the early worm.

There is no more that can be said. The time for effective talking is past. The thing to be done now is for everyone to turn out and show to the world the Institute student takes an interest in the student activities and is willing to contribute to their support.

the school year, conduct competitions for the managements of their respective teams.

Sect. 7.—The temporary treasurer shall assume the duties of the treasurer during his tenure of office.

### Article IV.—Officers.

Sect. 1.—The officers of this class shall consist of a President, a Vice-President, Secretary, Treasurer, two Directors, members of the executive committee, two representatives to the M. I. T. A. A., all of whom shall constitute a Board of Directors for the class. These officers shall serve until the next general election of officers by the class.

### Article V.—Duties.

Sect. 1.—The President shall preside over all meetings of the class and of the Board of Directors, and shall be a member of all committees, ex-officio.

Sect. 2.—The Vice-President shall assume the duties of the president in case of the latter's disability, absence, or resignation.

Sect. 3.—The Secretary and Treasurer shall preform the regular duties of their respective offices.

Sect. 4.—The Board of Directors shall have charge of the social and general affairs of the class, shall have sole power to make contracts and pay bills, and shall have full control of the disposition of class funds and properties. They shall specify the manner of appointing committees not provided for in this constitution, and may enact any measures deemed fit for the benefit of the class.

Sect. 5.—The Board of Directors shall meet once a month and at any other time that the president may convene it.

### Article VI.—Dues.

Sect. 1.—The annual dues of the class shall be —, and shall be due before the election of officers.

Sect. 2.—A two thirds vote of the members present at a class meeting shall be necessary to levy an assessment.

### Article VII.—Meetings.

Sect. 1.—Class meetings may be called by the President, the board of directors, or by written request to the president signed by thirty (30) members of the class.

Sect. 2.—All notices of meetings shall be posted on regular bulletin boards assigned to the class, at least three days in advance; except that those to consider amendments shall be posted at least a week in advance.

Sect. 3.—In all meetings with the exception of those called to consider amendments those present shall constitute a quorum. In meetings called to consider amendments, one third of the class shall constitute a quorum.

### Article VIII.

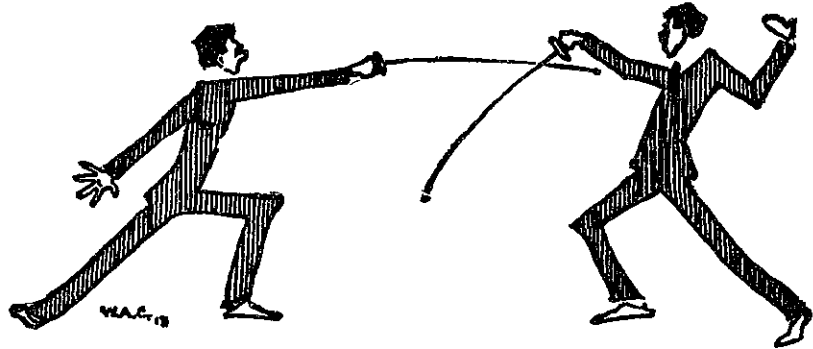
#### Method of Electing Freshman Officers

Section I.—Before the date of the annual Field Day the temporary chairman shall appoint three members of the class as a committee on elections. The members of this committee shall not be nominees for any class office.

Sect. 2.—Nominations to office shall

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Yours very truly,  
THE TECH UNION BARBER SHOP.

**FRESHMEN TEAM GOES TO ANDOVER TODAY**

1917 Has Good Chance To Defeat Andover in Dual Meet at Andover Today.

The Freshman Track Team leaves this noon at 12.25 from the North station for Andover to compete against that school in their first outside meet. The outcome of the meet cannot be definitely prophesied. The 1917 team will be without the services of E. W. Curtin in the shot and K. H. Day in the hurdles, which may seriously affect the outcome, as both were sure point winners in their events.

Captain Sullivan will be back in form and may be expected to win the high-jump without trouble with J. W. Doon as runner-up. F. P. O'Hara is sure of the dash and should finish well up to the front in the 300. E. D. Sewall, the star of Tuesday's meet, may be expected to win points in the shot, hurdles and pole-vault. The Freshman Relay Team will be an especially strong combination: L. Cady, F. P. O'Hara, D. C. Thompson, R. C. Erb. The other men who will make the trip are: J. J. Donnelly, M. C. Brock in the 1000; D. C. Thompson, L. Williams, H. Allen in the 600; D. Bell in the hurdles; N. W. Gokey in the high-jump; A. H. Knapp in pole-vault; W. A. Seymore and G. R. Stevens in the shot, who should be able to carry off enough seconds and thirds to win the meet. The team will be allowed to enter the meet in each heat of each event. The hurdles and 300-yard dash, which events only two teams entered. The team will arrive in Andover, Boston, not later than thirty minutes of time for Yish-Bibble. The order of events will be as follows:

- 50-yard dash, trials.
- 60-yard high hurdles, trials.
- 50-yard dash, finals.
- 60-yard hurdles, finals.
- 1000-yard run.
- 300-yard dash.
- 65-yard low hurdles, trials.
- 600-yard run.
- 65-yard low hurdles, finals.
- Relay.
- Shot.
- High-jump.
- Pole-vault.

If the meet is cancelled on account of bad weather, the manager will post a notice in the Union as soon as possible.

**DESIGN EXHIBIT**

A number of architectural designs, which are the work of Professor Le-Monniar, are on exhibition in the gallery on the fourth floor of Pierce Building. The room is open to all caring to see the drawings.



The one best fountain pen for you—ASK YOUR DEALER WHY? FOR SALE AT ALL COLLEGE BOOKSTORES AND DEALERS. Descriptive circulars and price list mailed on request.

Every Moore Non-Leakable Fountain Pen carries with it the most unconditional guarantee. AMERICAN FOUNTAIN PEN CO., Manufacturers, ADAMS, CUSHING & FOSTER, Selling Agents, 184 Devonshire Street, Boston, Mass.

**WHITWELL CHOSEN**

(Continued from Page 1)

Show. They will work as assistants during the remainder of the year, and the one that shows himself the more capable will become Business Manager next year.

The competition for the positions in the department which are filled by freshmen has been exceptionally keen. Only by delaying his selection for two extra weeks was Business Manager Charles R. Lord able to make a choice. C. H. Roberts, H. P. Eddy, and L. L. McGrady were finally chosen.

Mrs. Adams, the dancing instructor for the Show, held a final dancing trial for those who are to be in the ballet. The following men were retained: Bidwell, W. L. Ford, Checa, Gillespie, Bell, Couch, Whitney and Houser.

There are to be no rehearsals this afternoon in any department of the Show.

**NOTICES**

Next Tuesday afternoon, March 10, at 4.00 p. m., Mr. R. D. Emerson of the engineering office of Codman & Despradelle will address the members of the Architectural Engineering Society in the lecture hall on the fourth floor of the Pierce Building.

Today is the last day to sign up in the Union for appointments with the photographer for seniors to get their pictures in the Portfolio. There are about 50 men who have not signed up.

The picture of the 1917 first basketball team will be taken at Notman's at 1.15 next Monday.

**NO HARE AND HOUNDS**

Owing to the unfavorable condition of the weather and ground no Hare and Hound Run will be held this afternoon. This is unfortunate as it will only allow of two runs before the Annual Freshman-Sophomore Run.

be open the day following the annual Field Day and shall close at a definite hour on the eighth day after said Field Day. Each nomination, to be valid, must be signed by at least ten members of the class. In case less than three (3) nominations to each office are received the committee shall nominate candidates to make up this number. The name of no man whose dues have not been paid shall be placed on the ballot.

Sect. 3.—The committee shall then send printed ballots to each member of the class to be filled out and returned. Seven days after the sending of these ballots the polls shall be closed, the committee shall count the ballots returned, and post the results on the bulletin board.

Sect. 4.—The candidate or where two men are to be chosen, the two candidates, receiving the largest number of votes shall be declared elected.

Sect. 5.—In case of a tie vote the names of the candidates concerned shall be resubmitted to the class for election.

Sect. 6.—Ballots shall be retained one month subject to a recount, and then destroyed.

Sect. 7.—A demand for a recount must be signed by at least thirty (30) members of the class.

**Article IX.**

Method of Election of Officers after Freshman Year.

Sect. 1.—The president shall appoint an election committee com-

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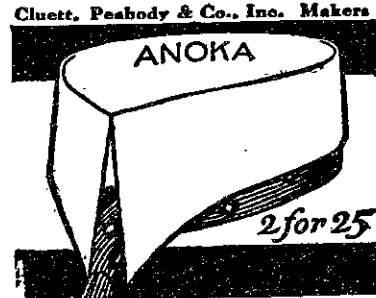
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Two minutes' walk from all Tech Buildings. Unexcelled facilities; the most fastidious Bowler can enjoy this fascinating and healthful pastime.

Alleys reserved and screened for private parties.

Come in and enjoy a little fun and exercise between periods.

posed of three members of the class before the end of the second week of the school year.

Sect. 2.—Nominations shall be opened at the end of the second week and shall close at the end of the third week of the school year.

Sect. 3.—The annual election shall be held on the Friday of the fourth week of the school year. The polls shall be opened at 8 a. m. and shall close at 6 p. m. The results of the election shall be announced at a general mass meeting to be held the following Saturday night.

Sect. 4, 5, 6 & 7 shall be as in Art. VIII.

Sect. 8.—The name of no man whose dues are unpaid shall be placed on a class ballot.

**Article X.—Amendments.**

Sect. 1.—A special meeting must be necessary to consider amendments to this constitution, and the amendments must be stated in the call for the meeting.

Sect. 2.—A two thirds vote of those present shall be necessary to amend this constitution.

**Article XI.—Interpretation.**

Sect. 1.—In case of dispute the correct interpretation of this constitution shall be determined by the Institute Committee.

**Article XII.**

This constitution shall take effect immediately upon its adoption. A three-fourths vote of those present shall be necessary to adopt it.

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